

THE PORT AUTHORITY  
OF NY & NJ



ORIGINAL SIGNED & SEALED BY  
N.Y. P.E. (OR R.A.)

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I HEREBY CERTIFY THAT THIS IS A TRUE AND CORRECT  
COPY OF ONE OF THE CONTRACT DOCUMENTS  
SUBMITTING A PART OF CONTRACT NO. WTC-945.071  
THE PART IN WHICH THE DRAWING EXISTED AT  
THE TIME THE SAID CONTRACT WAS EXECUTED BY  
THE PARTIES.  
DATE 11/16/97 *Jonathan A. Feldman*  
SPECIAL AGENT  
DATE 11/17/97 *J.R. Loring*  
ENGINEER OF DESIGN

12/12/97 REBUTE FEEDERS  
11/17/97 ISSUED FOR BO

Engineering Department  
Design Divisions

**The  
World  
Trade  
Center**

STANDBY POWER  
5 WORLD TRADE CENTER

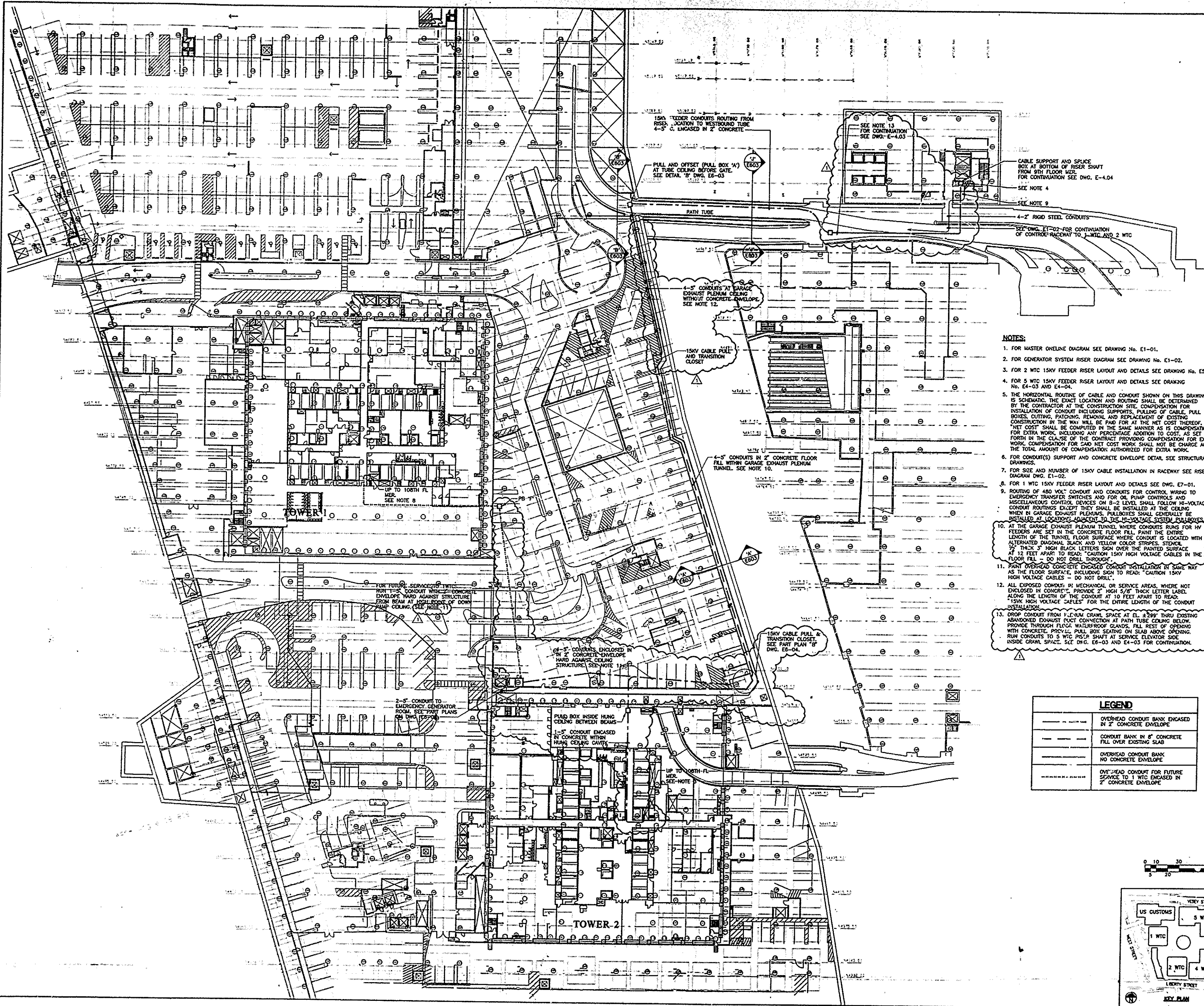
ELECTRICAL  
B2 FLOOR LEVEL  
15KV FEEDER  
ROUTING

This drawing subject to conditions in contract.  
All inventions, ideas, designs and methods  
herein are reserved to Port Authority and  
may not be used without its written consent.

F.P.P. M.A.R.  
Designed by Drawn by Check by

Date 11/17/97 Scale AS NOTED

Contract Number Drawing Number  
WTC-945.071 E8-01



- NOTES:**
1. FOR MASTER ONELINE DIAGRAM SEE DRAWING NO. E1-01.
  2. FOR GENERATOR SYSTEM RISER DIAGRAM SEE DRAWING NO. E1-02.
  3. FOR 2 WTC 15KV FEEDER RISER LAYOUT AND DETAILS SEE DRAWING NO. E5-01.
  4. FOR 5 WTC 15KV FEEDER RISER LAYOUT AND DETAILS SEE DRAWING NO. E4-03 AND E4-04.
  5. THE HORIZONTAL ROUTING OF CABLE AND CONDUIT SHOWN ON THIS DRAWING IS SCHEMATIC. THE EXACT LOCATION AND ROUTING SHALL BE DETERMINED BY THE CONTRACTOR AT THE CONSTRUCTION SITE. COMPENSATION FOR INSTALLATION OF CONDUIT INCLUDING SUPPORTS, PULLING OF CABLE, PULL BOXES, CUTTING, PATCHING, REMOVAL AND REPLACEMENT OF EXISTING CONSTRUCTION IN THE WAY WILL BE PAID FOR AT THE NET COST THEREOF. NET COST SHALL BE COMPUTED IN THE SAME MANNER AS IS COMPENSATION FOR EXTRA WORK, INCLUDING ANY PERCENTAGE ADDITION TO COST, AS SET FORTH IN THE CLAUSE OF THE CONTRACT PROVIDING COMPENSATION FOR EXTRA WORK. COMPENSATION FOR SAID NET COST WORK SHALL NOT BE CHARGE AGAINST THE TOTAL AMOUNT OF COMPENSATION AUTHORIZED FOR EXTRA WORK.
  6. FOR CONDUIT(S) SUPPORT AND CONCRETE ENVELOPE DETAIL SEE STRUCTURAL DRAWINGS.
  7. FOR SIZE AND NUMBER OF 15KV CABLE INSTALLATION IN RACEWAY SEE RISER DIAGRAM DWG. E1-02.
  8. FOR 1 WTC 15KV FEEDER RISER LAYOUT AND DETAILS SEE DWG. E7-01.
  9. ROUTING OF 480 VOLT CONDUIT AND CONDUITS FOR CONTROL WIRING TO EMERGENCY TRANSFER SWITCHES AND FOR OIL PUMP CONTROLS AND MISCELLANEOUS CONTROL DEVICES ON 8-12 LEVEL SHALL FOLLOW 15-VOLTAGE CONDUIT ROUTINGS EXCEPT THEY SHALL BE INSTALLED AT THE CEILING WHEN IN GARAGE EXHAUST PLENUMS. PLENUMS SHALL GENERALLY BE INSTALLED AT LOCATIONS ADJACENT TO THE 15-VOLTAGE SYSTEM PLENUMS.
  10. AT THE GARAGE EXHAUST PLENUM TUNNEL WHERE CONDUITS RUN FOR HV FEEDERS ARE SET IN THE CONCRETE FLOOR FILL PAINT THE ENTIRE LENGTH OF THE TUNNEL FLOOR SURFACE WHERE CONDUIT IS LOCATED WITH ALTERNATED DIAGONAL BLACK AND YELLOW COLOR STRIPES. STENCIL 1/2\"/>

| LEGEND |   |
|--------|---|
|        | OVERHEAD CONDUIT BANK ENCASED IN 2\"/>                        |
|        | CONDUIT BANK IN 8\"/>   |
|        | OVERHEAD CONDUIT BANK NO CONCRETE ENVELOPE                    |
|        | OVERHEAD CONDUIT FOR FUTURE SERVICE TO 1 WTC ENCASED IN 2\"/> |

